SEQUENCE HISTING

MAR 0: 5 2002

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 $\sqrt{<140>09/940,727}$

<141> 2001-08-28

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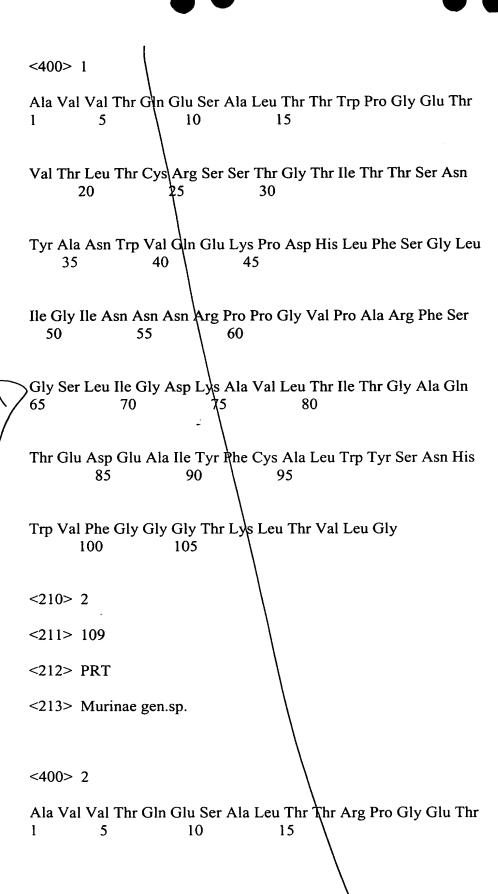
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Pro Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Val Leu Thr 50 55 60
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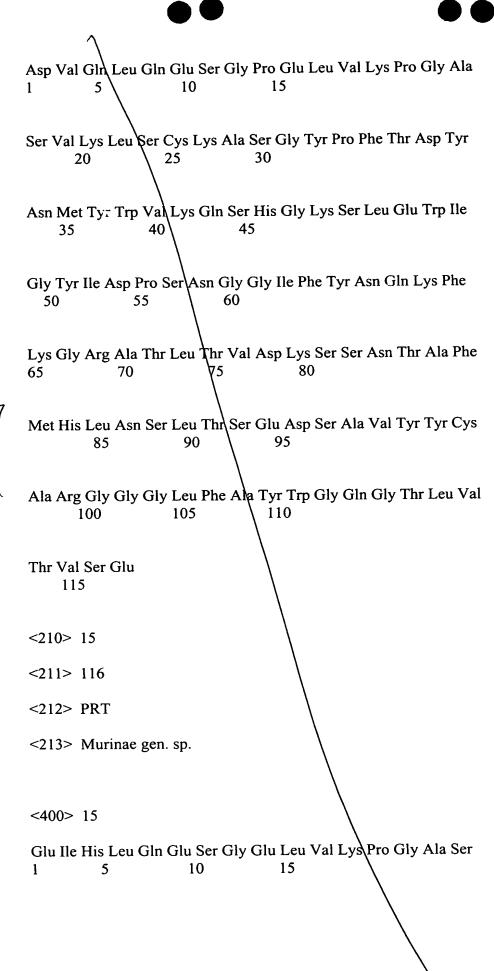
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Gly Lys Ala Thr Val Thr Leu Asp Lys Ser Ser Ser Thr Ala Phe Met 65 70 75 80

His Leu Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala 85 90 95

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Thr Ile Asp Leu Ser Asp Thr Tyr Thr Gly Tyr Asn Gln Asn Phe Lys 50 55 60
Gly Arg Ala Thr Leu Thr Leu Asp Glu Ser Ser Asn Thr Ala Tyr Met 75 80
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Tyr Ser Phe Thr Asp Tyr Asn Met Tyr Trp Val Lys Lys Ala Ser Gly 20 25 Gln Asn His Gly Glu Ser Leu Glu Trp Ile Ala Tyr Ile Asp Pro Ser 45 35 Asn Gly Asp Thr Phe Tyr Asn Gln Lys Phe Gln Gly Lys Ala Thr Val 55 Thr Leu Asp Lys Ser Ser\Ser Thr Ala Phe Met His Leu Asn Ser Leu 80 65 70 75 Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala Arg Gly Gly Leu 85 90 95 Phe Ala Phe Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala 100 105 110 <210> 87 <211> 360 <212> DNA <213> Murinae gen. sp. <220> <221> misc feature <222> (16)..(16) <223> n=any nucleotide including c,g,t,a,u <220>

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<400> 87

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agtcacactc acttgtcgtt caagtgctgg gactattaca actagtaact atgccaactg 120
ggtccaagaa aaaccagatc atttattcag tggtctaata ggtgttaaca acaaccgacc 180
tccaggtgtt cctgccagat tctcaggctc cctgattgga gacacggctg ccctcaccat 240
cacaggggca cagactgagg atgaggcaat atatttctgt gctctatggt acagcaacca 300
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<210> 88

<211> 99

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<212> PRT

<213> Murihae gen. sp.

<400> 88

Thr Arg Pro Gly\Glu Thr Val Thr Leu Thr Cys Arg Ser Ser Ala Gly
1 5 10 15

Thr Ile Thr Thr Ser Asn Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp 20 25 30

His Leu Phe Ser Gly Leu Ile Gly Val Asn Asn Asn Arg Pro Pro Gly 35 40 45

Val Pro Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Thr Ala Ala Leu 50 55 - 60

Thr Ile Thr Gly Ala Gln Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala 65 70 75 80

Leu Trp Tyr Ser Asn His Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
85 90 95

Val Leu Gly

<210> 89

<211> 419

<212> DNA

<213> Murinae gen. sp.

<400> 89
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 tteaetgaet acaacatgta etgggtgaaa eagageeatg gaaagageet tgagtggatt 180
 ggatatattg ateeteacaa tggtggtatt ttetaeaace agaagtteaa gggeagggee 240
 acattgaetg ttgaeaagte eteeaacaa geetteatge ateteaacag eetgaeatet 300
 gaggaetetg eagtetatta etgtgeaaga ggggggggee tgtttgetta etggggeega 360
 gggaetetgg teaetgtete tgeageeaaa acgaeaceee catetgteta teeactgge 419

<210> 90

3.3

<211> 116

<212> PRT

<213> Murinae gen. sp.

<400> 90

Glu Ile His Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Asp Tyr 20 25 30

Asn Met Tyr Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile 35 40 45

Gly Tyr Ile Asp Pro His Asn Gly Gly Ile Phe Tyr Asn Gln Lys Phe 50 55 60

Lys Gly Arg Ala Thr Leu Thr Val Asp Lys Ser Ser Asn Thr Ala Phe 65 70 75 80

Met His Leu Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys

90

95

Ala Arg Gly Gly Leu Phe Ala Tyr Trp Gly Arg Gly Thr Leu Val 100 105 110

Thr Val Ser Ala . 115

85

<210> 91

<211> 360

<212> DNA

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<222> (356)..(356)

<223> n=any nucleotide including c,g,t,a,u

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120
ggtccaagaa aaaccagatc atttattcag tggtctgata ggtattaaca acaaccgacc
180
tccaggtgtt cctgccagat tctcaggctc cctgattgga gacaaggctg tcctcaccat
240
cacaggggca cagactgagg atgaggcaat atatttctgt gctctatggt acagcaacca
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ctgggtgttc ggtggaggaa ccaaactgac tgtcctaggc cagcccaagt cttcgncatc
360

<210> 92

4

<211> 99

<212> PRT

<213> Murinae gen. sp.

<400> 92

Thr Trp Pro Gly Glu Thr Val Thr Leu Thr Cys Arg Ser Ser Thr Gly
1 5 10 15

Thr Ile Thr Thr Ser Asn Tyr Ala Asn Trp Val Ghn Glu Lys Pro Asp 20 25 30

His Leu Phe Ser Gly Leu Ile Gly Ile Asn Asn Asn Arg Pro Pro Gly 35 40 45

Val Pro Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Val Leu 50 55 60

Thr Ile Thr Gly Ala Gln Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala 65 70 75 80

Leu Trp Tyr Ser Asn His Trp Val Phe Gly Gly Gly Thr Lys Leu Thr 85 90 95

Val Leu Gly

<210> 93

.64

<211> 360

<212> DNA

<213> Murinae gen. sp.

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ctgcaaggct tctggttacc cattcactga ctacaacatg tactgggtga agcagagcca 120
tggaaagagc cttgagtgga ttggatatat tgatccttcc aatggtggta ttttttacaa 180
ccagaagttc aagggcaggg ccacattgac tgttgacaag tcctccaaca cagccttcat 240
gcatctcaac agcctgacat ctgaggactc tgcagtctat tactgtgcaa gaggggggg 300
cctgtttgct tactggggcc aagggactct ggtcactgtc tctgaagcca aaacgaaacc 360

<210> 94

<211> 110

<212> PRT

<213> Murinae gen. sp.

<400> 94
Ser Gly Pro Glu Leu Val Lys Pro Gly Ala Ser Val Lys Leu Ser Cys 1 5 10 15
Lys Ala Ser Gly Tyr Pro Phe Thr Asp Tyr Asn Met Tyr Trp Val Lys 20 25 30
Gln Ser His Gly Lys Ser Leu Glu Trp Ile Gly Tyr Ile Asp Pro Ser 35 40 45
Asn Gly Gly Ile Phe Tyr Asn Gln Lys Phe Lys Gly Arg Ala Thr Leu 50 55 60
Thr Val Asp Lys Ser Ser Asn Thr Ala Phe Met His Leu Asn Ser Leu 65 70 75 80
Thr Ser Glu Asp Ser Ala Val Tyr Cys Ala Arg Gly Gly Gly Leu 85 90 95
Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Glu 100 105 1 10

<210> 95

<211> 360

<212> DNA

<213> Murinae gen. sp.

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gtcgctcaag tagtgggact attacagcta ataactatgg cagctgggtc caggaaaagc 120
cagatcattt attcactggt ctaataggtg ttagcaacaa ccgaggtcca ggtgtcctg 180

ccagattctc aggeteccta attggagaca aggetgteet caccateaeg ggggggeaga 240 ctgaggatga ggeaatttat tetgtgete tatggaacag caaccattte gtgtteggtg 300

gaggaaccaa actgactgtc chagggcaga ccaagtettt eggeatcaag eaccetgttt 360

<210> 96

<211> 100

<212> PRT

<213> Murinae gen. sp.

<400> 96

Thr Arg Ala Gly Glu Thr Val Thr Leu Thr Cys Arg Ser Ser Ser Gly
1 5 10 15

Thr Ile Thr Ala Asn Asn Tyr Gly Ser Trp Val Gln Glu Lys Pro Asp 20 25 30

His Leu Phe Thr Gly Leu Ile Gly Val Ser Asn Asn Arg Gly Pro Gly 35 40 45

Val Pro Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Val Leu 50 55 60

Thr Ile Thr Gly Gly Gln Thr Glu Asp Glu Ala Ne Tyr Phe Cys Ala 65 70 75 80

Leu Trp Asn Ser Asn His Phe Val Phe Gly Gly Gly Thr Lys Leu Thr 85 90 95

Val Leu Gly Gln 100 <210> 97

<211> 419

<212> DNA

<213> Murinae gen.\sp.

<400> 97
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tcgagtctgg ggctgaactg gtgaagcctg gggcttcagt ggagttgtcc tgcaggactt 120
ctggctacac cttcaccacc tactatattt actgggtaaa acagaggcct ggacaaggcc 180
ttgagtggat tggggggatg aatcctggca atggtgttac ttacttcaat gaaaaattca 240
agaacagggc cacactgact gtggacagat cctccagcat tgcctacatg caactcagca 300
gcctgacatc tgaggactct gcggtctatt actgtacacg ggtgggtaac tctttgctta 360
ctggggccga gggactctgg tcactgtctc tgcagccaaa acgacaccc actttctat 419

<210> 98

<211> 115

<212> PRT

<213> Murinae gen. sp.

<400> 98

Val Gln Leu Leu Glu Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
1 5 10 15

Val Glu Leu Ser Cys Arg Thr Ser Gly Tyr Thr Phe Thr Tyr Tyr 20 25 30

Ile Tyr Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly
35 40 45
Gly Met Asn Pro Gly Asn Gly Val Thr Tyr Phe Asn Glu Lys Phe Lys 50 55 60
Asn Arg Ala Thr Leu Thr Wal Asp Arg Ser Ser Ile Ala Tyr Met 65 70 80
Gin Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Thr 85 90 95
Arg Val Gly Asn Ser Leu Leu Thr Gly Ala Glu Gly Leu Trp Ser Leu 100 105 110
Ser Leu Gln 115
<210> 99
<211> 339
<212> DNA
<213> Murinae gen. sp.
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ateteetgea ggtetagtag gagteteeta tatagggatg ggaagacata attgaattgg 120
tttctgcaga gaccaggacg atctcctcaa ctcctgatct atttgatgtc caccdgttca 180
tcaggagtct cagaccggtt tagtggcagt gggtcaggaa cagatttcac cctggaaatc 240
agtagagtga aggctgagga tgtgggtgtg tattactgtc aacactttgt agactatcca 300
ttcacgttcg gctcggggac aaagttggag ataaaacgg 339

<210> 100

<211> 113

<212> PRT

<213> Murinae gen.\sp.

<400> 100

Asp Ile Val Met Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly

1 5 10 \ 15

Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Arg Ser Leu Leu Tyr Arg 20 25 \ 30

Asp Gly Lys Thr Tyr Leu Asn Tro Phe Leu Gln Arg Pro Gly Arg Ser 35 40 45

Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ser Ser Gly Val Ser 50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile 65 70 75 80

Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln His Phe
85 90 95

Val Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
100 105 110

Arg

<210> 101

<211> 366

<212> DNA

<213> Murinae gen. sp.

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tttecaggaa acaaactgga gtggatggge tacataagge acatttatgg cactaggtae 180
aaccettete teataagteg aatetetata actegagaca egtecaagaa ecagttette 240
etgeagttgg attetgtgae tgetgaggae acagecacat attattgtgt aagatateat 300
tactacggtt eggettaetg gggecaaggg actetggtea etgtetetge agecaaaacg 360
acacce 366

<210> 102

<211> 122

<212> PRT

<213> Murinae gen. sp.

<400> 102

Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser Asp 20 25 30

Tyr Ala Trp Thr Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp 35 40 45

Met Gly Tyr Ne Arg His Ile Tyr Gly Thr Arg Tyr Asn Pro Ser Leu 60 50 55

Ile Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe 65 70 80

Leu Gln Leu Asp Ser\Val Thr Ala Glu Asp Thr Ala Thr Tyr Tyr Cys 85

Val Arg Tyr His Tyr Tyr Gly Ser Ala Tyr Trp Gly Gln Gly Thr Leu 105 110 100

Val Thr Val Ser Ala Ala Lys Thr Thr Pro 115 120

<210> 103

- 5

<211> 368

<212> DNA

<213> Murinae gen. sp.

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<210> 104

<211> 113

<212> PRT

<213> Murinae gen. sp.

<400> 104

Asp Met Val Met Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly
1 5 15

Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Arg Ser Leu Leu Tyr Arg
20 25 30

Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Arg Ser 35 40 45

Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser 50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile 70 75 80

Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Phe Gln His Phe 85 90 95

Glu Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
100 105 110

Arg

<210> 105

<211> 366 <212> DN <213> Murinae gen. sp. <400> 105 gacgtgcagt tgcaggagtc gggacctggc ctggtgaaac cttctcagtc tctgtccctc 60 120 acctgcactg tcactggcaa tcaatcacc agtgattatg cctggacctg gatccggcag tttccaggaa acaaactgga giqgatgggc tacataaggc acatttatgg cactaggtac 180 aaccettete teataagteg aatetetate aetegagaea egteeaagaa eeagttette 240 ctgcagttgg attctgtgac tgctgaggac acagccacat attattgtgt aagatatcat 300 tactacggtt eggettaetg gggecaaggg actetggtea etgtetetge agecaaaacg 360 366 acaccc <210> 106 <211> 122 <212> PRT <213> Murinae gen. sp. <400> 106

Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln 1 5 10 15

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser Asp 20 25 30

Tyr Ala Trp Thr Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp 35 40 45

Met Gly Tyr Ile Arg His Ile Tyr Gly Thr Arg Tyr Asn Pro Ser Leu 50 55 60

Ile Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe 65 70 75 80

Leu Gln Leu Asp Ser Val Thr Ala Glu Asp Thr Ala Thr Tyr Tyr Cys
85 95

Val Arg Tyr His Tyr Tyr Gly Ser Ala Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ala Ala Lys Thr Thr Pro

<210> 107

<211> 368

<212> DNA

<213> Murinae gen. sp.

<400> 107
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atctcctgca ggtctagtaa gagtctccta tatgaggatg ggaagacata cttgaattgg 120
tttctgcaga gaccaggaca atctcctcac ctcctgatct atttgatgtc cacccgtgca 180
tcaggagtct cagaccggtt tagtggcagt gggtcaggaa cagattcac cctggaaatc 240
agtagagtga aggctgagga tgtgggtgcg tattactgtc aacaattgt agagtatcca 300
ttcacgttcg gctcggggac aaagttggaa ataagacggg ttgatgccgc accaactgta 360
tccatctt 368

<211> 113 <212> PRT <213> Murinae gen. sp. <400> 108 Asp Met Val Met Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly 5 01 15 Glu Ser Val Ser Ile Ser Cyx Arg Ser Ser Lys Ser Leu Leu Tyr Glu 30 20 25 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Gln Ser 35 Pro His Leu Leu Ile Tyr Leu Met Sex Thr Arg Ala Ser Gly Val Ser 50 55 60 Asp Arg Phe Ser Gly Ser Gly Ser Gly The Asp Phe Thr Leu Glu Ile 65 75 Ser Arg Val Lys Ala Glu Asp Val Gly Ala Tyt Tyr Cys Gln Gln Phe 85 90 95 Val Glu Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Arg 100 105 110 Arg

<210> 109

<211> 420

<212> DNA

<213> Murinae gen. sp.

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<223> n=any nucleotide including c,g,t,a,u

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<221> misc_feature

<222> (28)..(28)

<223> n=any nucleotide including c,g,t,a,u

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<222> (31)..(31)

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<222> (37)..(37)

<223> n=any nucleotide including c,g,t,a,u

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<222> (40)..(40)

<223> n=any nucleatide including c,g,t,a,u

<220>

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<222> (49)..(49)

<223> n=any nucleotide including c,g,t,a,u

<220>

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<222> (56)..(56)

<223> n=any nucleotide including c,g,t,à,u

<400> 109

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<210> 110

<211> 108

<212> PRT

<213> Murinae gen.\sp.

<400> 110

Glu Leu Val Lys Pro Ser Gn Ser Leu Ser Leu Thr Cys Thr Val Thr
1 5 10 15

Gly Tyr Ser Ile Thr Ser Asp Tyr Ala Trp Asn Trp Ile Arg Gln Phe 20 25 30

Pro Gly Asn Arg Leu Glu Trp Met Gly Tyr Ile Arg Tyr Ser Gly Ile 35 40 45

Thr Arg Tyr Asn Pro Ser Leu Lys Ser Arg Ile Ser Ile Thr Arg Asp 50 55 60

Thr Ser Lys Asn Lys Phe Phe Leu Gln Leu Asn Ser Val Thr Thr Glu 65 70 75 80

Asp Thr Ala Thr Tyr Cys Val Arg Ile His Tyr Tyr Gly Tyr Gly 85 90 95

Asn Trp Gly Gln Gly Thr Thr Leu Thr Gly Leu Pro
100 105

<210> 111

<211> 420

<212> DNA

<213> Murinae gen. sp.

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<223> n=any nucleotide including c,g,t,a,u

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<223> n=any nucleotide including &g,t,a,u

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<222> (402)..(402)

<223> n=any nucleotide including c,g,t,a,u

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<222> (404)..(404)

<223> n=any nucleotide including c,g,t,a,u

<400> 111

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60

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caggtctagt aggagtctcc tatataggga tgggaagaca tacttgaatt ggtttctgca 180
gagaccagga cgatctcctc actcctgat ctatttgatg tccacccgtg catcaggagt 240
ctcagaccgg tttagtggca gtgggtcagg aacagatttc accctggaaa tcagtagagt 300
gaaggctgag gatgtgggtg tgtattactg tcaacacttt gtagactatc cattcacgtt 360
cggctcgggg acaaagttgg agataaaacg ggttgatgct gnancaactg tatccatctt 420

<210> 112

-1

<211> 113

<212> PRT

<213> Murinae gen. sp.

<400> 112

Asp Met Val Met Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly
1 5 10 15

Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Arg Ser Leu Leu Tyr Arg 20 25 30

Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Arg Ser 35 40 45

Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser 50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile
65 70 75 80

Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln His Phe

85 \ 90 95

Val Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
100 105 110

Arg

. A

<210> 113

<211> 419

<212> DNA

<213> Murinae gen. sp.

<220>

<221> misc feature

<222> (381)..(381)

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ctggacctgg atccggaagt ttccaggaaa caaactggag tggttgggat acataaggca 180
catttatggc actaggtaca accettctct cataagtcga atctctatca ctcgagacac 240
gtccaagaac cagttcttcc tgcagttgga ttctgtgact gctgaggaca cagccacata 300
ttattgtgta agatatcatt actacgggtc ggcttactgg gggcaaggga ctctggtcac 360
tgtctctgca ggcaaaacga naccccatct gtctatcact ggccccggaa cgccgccag 419

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<210> 114
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<211> 117

<212> PRT

<213> Murinae gen. sp.

<400> 114

Asp Val Gln Leu Gln Glu\Ser Gly Pro Gly Leu Val Lys Pro Ser Gln 1 5 10\\ 15

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser Asp 20 25 30

Tyr Ala Trp Thr Trp Ile Arg Lys Rhe Pro Gly Asn Lys Leu Glu Trp 35 40 45

Leu Gly Tyr Ile Arg His Ile Tyr Gly Thr Arg Tyr Asn Pro Ser Leu 50 55 60

Ile Ser Arg Ile Ser Ile Thr Arg Asp Thr Set Lys Asn Gln Phe Phe 65 70 75 80

Leu Gln Leu Asp Ser Val Thr Ala Glu Asp Thr Ala Thr Tyr Tyr Cys
85 90 95

Val Arg Tyr His Tyr Tyr Gly Ser Ala Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ala 115

<210> 115

<211> 420

<212> DNA

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<222> (27)..(27)

<223> n=any nucleotide including c,g,t,a,u

<220>

<221> misc_feature

<222> (43)..(43)

<223> n=any nucleotide including c,g,t,a,u

<400> 115
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ctegtgatga cacagtetee acteaetttg teggtaacea ttggacaace ageetetate 120
tettgeaagt eaagteagag eetettatat agtgatggaa aaacetattt gaattggtte 180
tteeagagge eaggeeagte teeaaagege etaatetate tggtgtetaa aetggaetet 240
ggagteeetg acaggtteae tggeagtgga teaggaaaag attttacaet gaaaateage 300
agagtggagg etgaggattt gggaetttat taetgegtte aagggtacae attteegete 360
acgtteggtg etgggaceaa getggagetg aaaegggtga tgetgaceaa ettgtteat 420

<210> 116

<211> 113

<212> PRT

<213> Murinae gen. sp.

<400> 116

Glu Leu Val Met Thr Gln Ser Pro Leu Thr Leu Ser Val Thr Ile Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser 20 25 30

Asp Gly Lys Thr Tyr Leu Asn Trp Phe Phe Gln Arg Pro Gly Gln Ser 35 40 45

Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Set Gly Val Pro 50 55 60

Asp Arg Phe Thr Gly Ser Gly Ser Gly Lys Asp Phe Thr Leu Lys Ile

65

70

75

80

Ser Arg Val Glu Ala Glu Asp Leu Gly Leu Tyr Tyr Cys Val Gln Gly
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Arg

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ctgacatctg aggactctgc ggtctattac tgttcaagaa ggggctttga ctactggggg 360
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Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp le Gly 35 40 45

Thr Ile Asp Leu Ser Asp Thr Tyr Thr Gly Tyr Asn Gln Asn Phe Lys 50 55 Gly Arg Ala Thr Leu Thr Leu Asp Glu Ser Ser Asn Thr Ala Tyr Met 80 70 75 Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ser 85 Arg Arg Gly Phe Asp Tyr Try Gly Gln Gly Thr Thr Leu Thr Val Ser 100 105 110 Ser <210> 119 <211> 280 <212> PRT <213> Murinae gen. sp. <400> 119 Met Glu Val Gln Leu Gln Glu Ser Gly Pro Glu Leu Val Lys Pro Ser 10 15 Gln Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser 30 20 25 Asp Tyr Ala Trp Thr Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu 40 45 35 Trp Met Gly Tyr Ile Arg His Ile Tyr Gly Thr Arg Tyr Asn Pro Ser

Leu Ile Ser Arg Ile Ser le Thr Arg Asp Thr Ser Lys Asn Gln Phe 65 70 75 80

Phe Leu Gln Leu Asp Ser Val Thr Ala Glu Asp Thr Ala Thr Tyr Tyr 85 90 95

Cys Val Arg Tyr His Tyr Tyr Gly Ser Ala Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ala Gly Met Gln Ser Gly Gly Gly Gly Ser Gly 115 120 25

Gly Gly Gly Ser Gly Gly Ala Met Asp Ile Val Met Thr Gln Asp Glu
130 135 140

Leu Ser Asn Pro Val Thr Ser Gly Glu Ser Val Ser Ile Ser Cys Arg
145 150 155 160

Ser Ser Arg Ser Leu Leu Tyr Arg Asp Gly\Lys Thr Tyr Leu Asn Trp
165 170 175

Phe Leu Gln Arg Pro Gly Arg Pro Pro Gln Leu Ile Tyr Leu Met
180 185 190

Ser Thr Arg Ser Ser Gly Val Ser Asp Arg Phe Ser Gly Ser Gly Ser 195 200 205

Gly Thr Asp Phe Thr Leu Glu Ile Ser Arg Val Lys Ala Glu Asp Val 210 215 220

Gly Val Tyr Tyr Cys Gln His Phe Val Asp Tyr Pro Phe Thr Phe Gly 225 230 235 240

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Leu Glu His His His His His 275 280

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ccagatcatt tattcagtgg tctaataggt gttaataatt accgacctcc aggtgttcct 180

gccagattct caggctccct gactggagac aaggctgtcc tcaccatcac aggggcacag 240

actgaggatg aggcaatata tttctgtgct ctatggtaca gcaaccactg ggtgttcggt 300

ggaggaacca aactgactgt cctaggccag cccaagtctt cgccatcagt caccctgttt 360

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                    25
                                 30
Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Ser Gly Leu
                 40
    35
Ile Gly Val Asn Asn Tyr Arg Pro Pro Gly Val Pro Ala Arg Phe Ser
  50
Gly Ser Leu Thr Gly Asp Lys\Ala Val Leu Thr Ile Thr Gly Ala Gln
65
             70
                                      80
Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu Trp Tyr Ser Asn His
         85
                      90
                                   95
Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
       100
                    105
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